

Appendix table 4-26

**R&D performed in United States by U.S. multinational company parent companies, by NAICS industry: 2004–08**

(Millions of current U.S. dollars)

Industry/sector	NAICS code	2004	2005	2006	2007	2008
All industries	na	164,189	177,598	184,428	203,678	199,105
Mining	21	D	403	538	644	691
Oil and gas extraction	211	D	D	8	14	16
Other	na	418	D	530	631	675
Utilities	22	26	31	28	29	17
Manufacturing	31–33	129,246	143,335	146,435	159,182	152,507
Food	311	1,636	1,311	1,739	1,862	1,801
Beverages and tobacco products	312	125	502	497	336	368
Textiles, apparel, and leather products	313–16	85	195	216	152	136
Wood products	321	96	113	121	46	74
Paper	322	1,375	1,408	1,596	1,474	1,152
Printing and related support activities	323	132	96	52	45	96
Petroleum and coal products	324	1,327	2,155	2,289	2,583	2,642
Chemicals	325	41,459	45,004	44,832	51,033	49,077
Basic chemicals	3251	1,464	1,381	1,420	1,601	1,695
Resins and synthetic rubber, fibers, and filaments	3252	2,557	2,510	2,417	2,541	2,611
Pharmaceuticals and medicines	3254	32,507	36,352	36,698	41,962	40,013
Soap, cleaning compounds, and toilet preparations	3256	2,612	2,510	2,200	2,780	2,494
Other	na	2,318	2,252	2,097	2,149	2,264
Plastics and rubber products	326	870	1,079	1,287	1,304	1,291
Nonmetallic mineral products	327	377	389	397	406	361
Primary and fabricated metals	na	1,513	1,165	1,082	991	1,101
Primary metals	331	487	544	444	439	474
Fabricated metal products	332	1,026	621	638	553	627
Machinery	333	4,968	5,492	5,892	7,398	8,106
Agriculture, construction, and mining machinery	3331	1,770	1,955	2,359	2,429	2,598
Industrial machinery	3332	1,066	1,210	2,024	2,155	2,016
Other	na	2,132	2,327	1,509	2,815	3,491
Computers and electronic products	334	34,187	36,560	40,124	41,169	37,472
Computers and peripheral equipment	3341	7,176	7,015	8,081	8,027	6,962
Communications equipment	3342	9,253	9,255	9,336	12,043	9,074
Audio and video equipment	3343	315	360	D	D	D
Semiconductors and other electronic components	3344	13,021	15,020	16,748	15,374	15,357
Navigational, measuring, and other instruments	3345	D	4,807	5,478	5,202	5,547
Magnetic and optical media	3346	D	103	D	D	D
Electrical equipment, appliances, and components	335	1,679	1,618	2,748	2,056	2,301
Transportation equipment	336	35,580	41,692	38,809	43,543	41,510
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	15,264	18,687	14,840	15,610	13,902
Other	na	20,316	23,005	23,969	27,933	27,609
Furniture and related products	337	133	217	226	244	248
Miscellaneous manufacturing	339	3,703	4,341	4,528	4,540	4,772
Wholesale trade	42	D	5,072	5,428	5,876	6,451
Professional and commercial equipment and supplies	4234	D	1,650	1,621	1,625	2,176
Petroleum and petroleum products	4247	D	D	D	D	D
Drugs and druggists' sundries	4242	287	D	D	D	D
Other	na	3,028	2,889	3,289	3,653	3,652
Information	51	14,657	13,161	15,047	17,981	18,148
Publishing industries	511	11,029	9,504	10,995	12,267	13,784
Motion picture and sound recording industries	512	18	D	D	D	D
Broadcasting (except Internet) and telecommunications	na	587	D	D	D	D
Broadcasting (except Internet)	515	88	D	D	D	D
Telecommunications	517	499	D	236	1,262	D
Internet, data processing, and other information services	516, 518, 519	3,023	3,197	3,762	4,277	2,925
Finance (except depository institutions) and insurance	52	221	228	260	180	107
Finance, except depository institutions	na	103	146	166	D	D
Securities, commodity contracts, and other intermediation and related activities	523	D	D	D	D	D

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(Millions of current U.S. dollars)

Industry/sector	NAICS code	2004	2005	2006	2007	2008
Other finance, except depository institutions	na	D	D	D	D	0
Insurance carriers and related activities	524	118	82	94	D	D
Professional, scientific, and technical services	54	13,216	13,750	15,007	16,162	17,072
Architectural, engineering, and related services	5413	154	D	149	149	151
Computer systems design and related services	5415	8,983	9,133	9,246	10,081	11,070
Management, scientific, and technical consulting	5416	132	115	D	D	24
Advertising and related services	5418	D	D	D	D	1
Other	na	D	4,323	5,537	5,852	5,826
Other industries	na	1,523	1,617	1,684	3,623	4,111
Agriculture, forestry, fishing, and hunting	11	39	46	12	13	8
Construction	23	3	4	4	D	D
Retail trade	44–45	D	D	D	D	D
Transportation and warehousing	48–49	1	D	D	D	D
Real estate and rental and leasing	53	D	D	D	D	D
Real estate	531	0	0	0	0	0
Rental and leasing (except real estate)	532	D	D	D	D	D
Management of nonbank companies and enterprises	55	D	0	0	0	1
Administration, support, and waste management	56	D	D	D	D	D
Health care and social assistance	62	24	D	D	D	D
Accommodation and food services	72	9	D	D	D	57
Accommodation	721	0	0	0	0	0
Food services and drinking places	722	9	D	D	D	57
Miscellaneous services	na	174	189	248	265	298

D = suppressed to avoid disclosure of confidential information; na = not applicable

NAICS = North American Industry Classification System

NOTES: Preliminary estimates for 2008. Industries are classified by the Bureau of Economic Analysis using the International Survey Industry classification system based on the NAICS. Data for 2004–08 data are based on the 2002 NAICS and are not fully comparable with earlier data. NAICS revisions, for example, affected several industries under information (NAICS 51). In addition, industry 4214 (Professional and commercial equipment and supplies ) under 1997 NAICS code was split among several 2002 NAICS codes, including but not limited to the new code for this industry (NAICS 4234). Therefore data for this industry in appendix table 4-25 are not necessarily comparable with data in the present table. Data include R&D performed by parent companies of U.S. multinational companies (MNCs), regardless of funding source, whether for performer itself or others, including R&D performed for federal government; data exclude R&D conducted by others under contract. U.S. MNC parent company is company that resides in United States and owns or controls at least 10% of voting securities or equivalent of foreign business enterprise.

SOURCE: Bureau of Economic Analysis, Survey of U.S. Direct Investment Abroad (annual series), <http://www.bea.gov/international/index.htm#omc>, accessed 15 February 2011.

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